DEPARTMENT OF THE NAVY
BASE REALIGNMENT AND CLOSURE
PROGRAM MANAGEMENT OFFICE EAST
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PHILADELPHIA, PA 19112-1303

5090
Ser BPMOE/16-251
July 7, 2016

SUBJECT: FORMER NAVAL AIR STATION (NAS) BRUNSWICK PERFLUORINATED AND VOLATILE CHEMICAL RESULTS AT (RES012) IN BRUNSWICK, MAINE

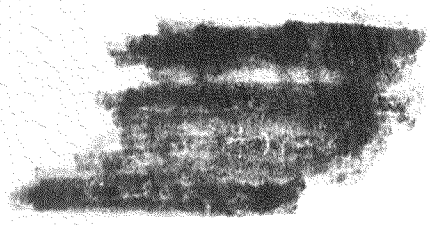
The U.S. Navy collected a water sample from your location, which is referred to as RES012 in Brunswick, Maine. The sampling was conducted to determine whether your drinking water well contains perfluorinated chemicals (PFCs) or volatile organic compounds (VOCs) that may have originated from NAS Brunswick. PFCs are also known as perfluoroalkyl substances (PFASs).

The analytical results for your location are enclosed with additional information to help you understand your results.

On May 19, 2016 the United States Environmental Protection Agency (USEPA) issued lifetime health advisory levels (HALs) of 0.07 parts-per-billion or 70 parts-per-trillion for two PFCs, perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA). These lifetime health advisories have replaced the previously issued provisional health advisories. There are no drinking water standards for these chemicals under the Safe Drinking Water Act.

Per the lifetime health advisory, when both PFOS and PFOA are found in drinking water, the combined concentrations of PFOS and PFOA are compared with the 0.07 parts-per-billion health advisory level. This health advisory level offers a margin of protection for all Americans throughout their life from adverse health effects resulting from exposure to PFOS and PFOA in drinking water.

For VOCs, action levels are established associated with the treatment plant for the Eastern Plume located on the former NAS Brunswick base. These levels are based on discharge limits set forth by the Brunswick Sewer District, the Maine Department of



Analytical Results
Validated Results of Private Well Sampling
Brunswick, ME

Location ID		RES012	RES012
Sample Date		4/28/2016	4/28/2016
Sample ID		RW-RES012-042816	RW-FD-042816
Sample Type		Sample	Duplicate
Chemical Name	**Unit**		
Perfluorinated Compounds (PFCs)			
Perfluorobutanesulfonic Acid (PFBS)	ug/L	< 0.00400 U	< 0.00397 U
Perfluoroheptanoic Acid (PFHpA)	ug/L	< 0.00400 U	< 0.00397 U
Perfluorohexanesulfonic Acid (PFHxS)	ug/L	< 0.00400 U	< 0.00397 U
Perfluorononanoic Acid (PFNA)	ug/L	< 0.00400 U	< 0.00397 U
Perfluorooctanesulfonic Acid (PFOS)	ug/L	< 0.00400 U	< 0.00397 U
Perfluorooctanoic Acid (PFOA)	ug/L	0.000713 J	0.000654 J
Semi-volatile Organic Compounds (SVOCs)			
1,4-DIOXANE	ug/L	< 0.17 U	< 0.17 U
Volatile Organic Compounds (VOCs)			
1,1,1-TRICHLOROETHANE	ug/L	< 0.50 U	< 0.50 U
1,1,2-TRICHLOROETHANE	ug/L	< 0.50 U	< 0.50 U
1,1-DICHLOROETHANE	ug/L	< 0.50 U	< 0.50 U
1,1-DICHLOROETHENE	ug/L	< 0.50 U	< 0.50 U
1,2-DICHLOROETHANE	ug/L	< 0.50 U	< 0.50 U
CHLOROETHANE	ug/L	< 1.0 U	< 1.0 U
CIS-1,2-DICHLOROETHENE	ug/L	< 0.50 U	< 0.50 U
TETRACHLOROETHENE	ug/L	< 0.50 U	< 0.50 U
TRANS-1,2-DICHLOROETHENE	ug/L	< 0.50 U	< 0.50 U
TRICHLOROETHENE	ug/L	< 0.50 U	< 0.50 U
VINYL CHLORIDE	ug/L	< 1.0 U	< 1.0 U

Units:

ug/L - micrograms per liter

Data Qualifiers:

J - The result is an estimated quantity, the associated numerical value is the approximate concentration of the analyte in the sample

U - The analyte was analyzed for, but was not detected above the sample reporting limit